



International Association of Aquatic and Marine  
Science Libraries and Information Centers

# newsletter

Number Fifty-One  
June 1994

## FROM THE PRESIDENT....

**W**hy did you join IAMSlic? Maybe you joined for the same reason I did — to keep my existing contacts (I had just left Woods Hole) and hopefully to make valuable new connections. For almost twenty years, IAMSlic has continued to fill this role for me. In addition I've found many other reasons to continue to be an IAMSlic member. First of all there's professional growth. I have learned things from attending the IAMSlic meetings, conversations with other members, and the Bulletin Board before they appeared in the professional literature. This has helped me provide better service to my users. On occasion it has even helped me to impress my supervisors and scientists!

Second, it has given me people with whom I can discuss ideas and problems in my library. Not just names of people on articles, but real people who share my very real problems of providing access to information in a fast changing environment. I know that I can contact any IAMSlic member to get help, to try out a new idea or just a shoulder to cry on.

Third, I have gained a more global perspective. No one's situation is unique. From the smallest to the largest library we share goals and ideals. We try new things, or variations of old things. Sometimes we fail, hopefully more often we succeed. Our experience teaches us. I have learned that we are all in this together and need to help one another. No one

of us has all of the answers, but working together we are able to help one another come up with solutions.

Most important, I have met some fascinating people. At the annual and regional meetings, I have had the good fortune to meet people who are interesting as individuals, as well as being forward thinking and innovative professionals. These people have helped me grow as an individual.

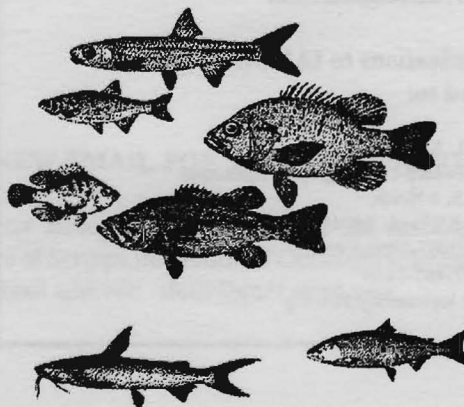
In these times of shrinking budgets, closing library schools, and downsizing, we all need all the help we can get. There are many extremely committed individuals who are working to make our organization meet the needs of our members by providing you with opportunities to interact with others who share some of the same problems and goals. But it takes every member of the organization to make it work. You don't have to be an officer or a member of a committee to have a voice in IAMSlic. Contribute information to the newsletter. Contact any member of the Executive Board, or any Committee member (the list appears in this issue) to voice your concerns or share an idea. Attend an annual or regional meeting. If you can't attend, ask someone who will be attending the annual meeting to speak for you. Let all of us know why you are an IAMSlic member, what you need from IAMSlic and what you have to share.

I hope to see many of you in Hawaii in October.

- Elizabeth A. Fuseler

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## 1993/1994 IAMS LIC OFFICERS

### PRESIDENT

Elizabeth A. Fuseler  
Head, Science & Technology Division  
Colorado State University Libraries  
215 Morgan Library  
Fort Collins, CO 80523 USA  
(303)491-1876  
Internet: [bfuseler@vines.colostate.edu](mailto:bfuseler@vines.colostate.edu)

### PRESIDENT-ELECT 1994-95

(Conference Convenor for IAMS LIC'94  
to be held in Honolulu, Hawaii USA)

Eleanor Uhlinger, Librarian  
Bodega Marine Laboratory Library  
University of California at Davis  
P.O. Box 247  
Bodega Bay, CA 94923-0247 USA  
(707)875-2015  
Internet: [ucdbml@ucdavis.edu](mailto:ucdbml@ucdavis.edu)  
BITNET: [ucdbml@ucdavis.bitnet](mailto:ucdbml@ucdavis.bitnet)

### PRESIDENT-ELECT 1995-96

(Conference Convenor for IAMS LIC'95  
to be held in Southampton, UK)

Natalie Wiest, Library Director  
Jack K. Williams Library  
Texas A&M University at Galveston  
P.O. Box 1675  
Galveston, TX 77553-1675 USA  
Omnet/Sciencenet: TAG.LIBRARY  
Internet: [wiest\\_n@tamug.tamu.edu](mailto:wiest_n@tamug.tamu.edu)  
BITNET: [wiest\\_n@tamug.tamu.bitnet](mailto:wiest_n@tamug.tamu.bitnet)

### SECRETARY

Pam Olson  
Pacific Biological Station Library  
Canadian Department of Fisheries and Oceans  
Nanaimo, British Columbia, Canada V9R5K6  
Internet: [library@pbs.dfo.ca](mailto:library@pbs.dfo.ca)

### TREASURER

Stephanie C. Haas, Librarian  
Marston Science Library  
University of Florida  
Gainesville, FL 32611-2840 USA  
Internet: [stehaas@nervm.nerdc.ufl.edu](mailto:stehaas@nervm.nerdc.ufl.edu)  
BITNET: [stehaas@uffsc.bitnet](mailto:stehaas@uffsc.bitnet)

**Communications to IAMS LIC should be directed to:**

Kristen L. Metzger  
Harbor Branch Oceanographic Institution  
5600 U.S. 1 North  
Ft. Pierce, Florida 34946 USA  
Tel (407)465-2400, Ext. 201  
Fax (407)465-2446  
Internet: [harbomet@class.org](mailto:harbomet@class.org)

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IAMS LIC assumes no responsibility for the statements and opinions advanced by contributions to IAMS LIC publications. Editorial views do not necessarily represent the official position of the association.

### EDITOR:

Richard A. Eissinger  
Coordinator of Instructional Resources  
Sterling C. Evans Library  
Texas A&M University  
College Station, Texas  
77843-5000 USA  
Tel (409)862-1060  
Fax (409)845-6238  
Internet: [iamslic@tamvm1.tamu.edu](mailto:iamslic@tamvm1.tamu.edu)

### CONTRIBUTING EDITOR:

Peter Brueggeman  
Public Services Librarian  
Scripps Institution of Oceanography  
Library 0175C  
University of California, San Diego  
9500 Gilman Drive  
La Jolla, CA 92093-0175 USA  
Tel (619)534-1230  
Omnet/Sciencenet: SCRIPPS.LIBRARY  
Internet: [pbrueggeman@ucsd.edu](mailto:pbrueggeman@ucsd.edu)

## IAMS LIC LISTSERVER IAMS LIC@UCSD.EDU

The IAMS LIC@UCSD Conference is an international email conference for discussion of information-related topics in freshwater, marine, and brackishwater sciences. To sign yourself up to the conference, send the following email message to [listserv@ucsd.edu](mailto:listserv@ucsd.edu) or [listserv@ucsd.bitnet](mailto:listserv@ucsd.bitnet):

**subscribe <your Internet or Bitnet email address> iamslic**

To delete yourself from the conference, send the following email message to [listserv@ucsd.edu](mailto:listserv@ucsd.edu) or [listserv@ucsd.bitnet](mailto:listserv@ucsd.bitnet):

**delete <your Internet or Bitnet email address> iamslic**

If your email address changes, delete yourself using your old address and sign up using your new address.

Send an email message to everyone on the IAMS LIC@UCSD conference at this address: [iamslic@ucsd.edu](mailto:iamslic@ucsd.edu) or [iamslic@ucsd.bitnet](mailto:iamslic@ucsd.bitnet). This is NOT the address to sign yourself up or signoff; see above.

To receive information about IAMS LIC including a membership application, regional contacts, availability of proceedings and other publication, send the following email message to the listserv address above: **faq iamslic**.



## IAMS LIC BUSINESS

### MEMBERSHIP COMMITTEE

The new Chairperson for the IAMS LIC Membership Committee is Susan Berteaux, Document Librarian at the Woods Hole Oceanographic Institution Library. She assumes the job from Connie Cooke, who deserves many thanks for her work on the Committee.

Susan reports that she will gladly send membership information to any addresses provided to her. She can be contacted at:

Susan S. Berteaux, Document Librarian  
MBL/WHOI Library  
Woods Hole Oceanographic Institution  
Woods Hole, MA, USA 02543  
email: sberteaux@whoi.edu  
phone: 508/ 457-2000, ext. 2269  
fax: 508/ 457-2156

## REGIONAL & INTERNATIONAL NEWS

### CYAMUS ANNUAL MEETING

The annual Cyamus meeting was held this year at the University of Washington, Friday Harbor Laboratory on March 10-12. The Friday Harbor Labs are located in the beautiful San Juan Island and the weather was even somewhat cooperative for the meeting.

Nineteen people were able to attend the meeting. Topics of discussion included projects utilizing Mosaic and a chance for people to test drive Mosaic; the Monterey Bay Regional Electronic Environmental Library initiative; the "virtual library" and its advantages and disadvantages. We also had informative presentations on identifying and acquiring Canadian these and technical reports and the history of the Friday Harbor Labs.

We had the opportunity to tour the Labs and see the types of research that is carried out there. Kelly Balcomb, of the Whale Research Center in Friday Harbor, gave us a lecture and slide show on their activities. The Center has been studying whale behavior in Puget Sound for nearly twenty years.

The site and date for the next meeting have not yet been set.

- Pamela Mofjeld

### SAIL CONFERENCE DOCKS AT PANAMA CITY BEACH

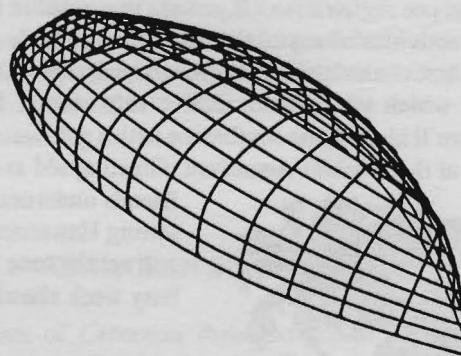
The 4th Annual Conference of the Southeastern affiliate of IAMS LIC, SAIL, was held May 4-6, 1994 at the Ramada Inn Conference Center in Panama City Beach, Florida. Hosted by Rosalie Schaffer, National Marine Fisheries Service, with the assistance of Sue Ann Lewandowski, Louisiana Universities Marine Consortium, the conference drew attendees from nine Southern states and Bermuda.

Highlights of technical presentations included an overview of the NOAA Status and Trends Program by Dr. Adriana Cantillo, NOAA, and Wetlands Research and information transfer at the U.S. Army Waterways Experiment Station by Elke Briuer and Jim Dolan. Jeffrey Brown, NMFS, talked about the Marine Mammal Stranding Network, and George Burgess, University of Florida discussed the data collected for the International Shark Attach File. Dr. Doretha Foushee, a fish virologist, discussed the research currently being carried out at the EPA Center for Marine and Estuarine Disease Research. Dr. John Ogle, Gulf Coast Research Lab, gave an extensive overview of aquaculture in the Southeast. Complementing the technical information were several sessions directed toward library/information issues including copyright, jobbers, and multi-type library networks.

During the business meeting, Tom Turner, Skidaway Institute of Oceanography, discussed the participation of SAIL members in the CYAMUS serial listing project. At the current time, nine SAIL members have entered their holdings. Tom will continue to act as coordinator for the SAIL members who wish to participate. Stephanie Haas volunteered to act as liaison from the SAIL group to IAMS LIC for the next two years. She replaces Linda Pikula of the AOML, NOAA Library in Miami. Several members offered to host future meetings and the sites selected include Beaufort, NC 1995; Bermuda 1996; and Port Aransas, TX 1997.

The excellence of the meeting was acknowledged by all participants with one regret— that there was little time to spend in the turquoise waters of Florida's Riviera.

- Stephanie Haas



(continued on Page 4)

(Regional & International News continued)

### SOUTH PACIFIC GROUP - PIMRIS UPDATE

The PIMRIS Coordinator (Ganeshan Rao) presented the 1993 PIMRIS Steering Committee Meeting Report to all the delegates from 22 Pacific Island countries' Fisheries/Marine Resources departments. The delegates met at the South Pacific Commission's (SPC) headquarters, Noumea, New Caledonia, in March for the 1994 Regional Technical Meeting on Fisheries. Numerous positive comments and expression of support for PIMRIS were presented by the country delegates.

**Technical Assistance in Library and Information Management.** Between March and April, Vanuatu, Western Samoa and Papua New Guinea (PNG) received technical assistance from PIMRIS in library/information management. The assistance involved library organisation, database system installation, and staff training. Some assistance was also provided to the SPC in CDS/ISIS software.

In Papua New Guinea extensive work was done to establish a local marine information network between the headquarters library and a number of outer/remote station information centres. A one week Introduction to Computers & CDS/ISIS Workshop was conducted for staff working in

this network. The workshop was funded by the Department of Fisheries & Marine Resources of PNG. The Workshop also provided an opportunity for the networking staff to meet and discuss ways and means of information exchange.

**New IAMS LIC Members.** 11 more Pacific Islands countries' fisheries departments' have now joined as members of IAMS LIC through a PIMRIS initiative. All are participating members of the PIMRIS network in the South Pacific region.

PIMRIS acknowledges the funding assistance provided by the Canadian International Development Agency (CIDA). CIDA has therefore enabled this network to become operational. PIMRIS also extends its appreciation to the Government of France for its funding assistance provided to the PIMRIS component at the South Pacific Commission.

- Ganeshan Rao, PIMRIS Coordinator

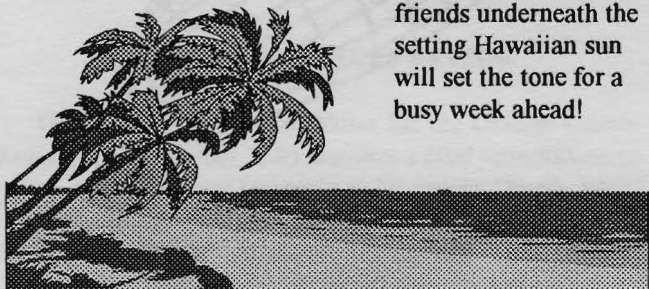
## CONFERENCES & MEETINGS

### IAMS LIC CONFERENCE NEWS & UPDATE

Get your cotton clothing ready — we have a full and hot agenda for the 20th anniversary IAMS LIC conference at the Hawaiian Regent on Waikiki Beach in Honolulu, HI 9-13 October 1994. The program is shaping up nicely—lots of new faces, interesting papers and roundtable/panel discussions with speakers from 14 nations. A host of exhibitors will be on hand to show off their latest publications and databases. Bring your questions!

Sunday is devoted to Committee Meetings, the Pre-Conference Workshop, the first Executive Board Meeting, and conference registration. If you are interested in finding out about activities of any of the committees, please contact the committee chairs listed at the front of your new IAMS LIC Directory which you should receive this month. Sunday evening, we'll kick off the conference with a gala welcoming reception at the Waikiki Aquarium. Greeting old and new

friends underneath the setting Hawaiian sun will set the tone for a busy week ahead!



Conference registration packets will be mailed soon—watch for them and return them early. The cut off date for both hotel registration and early conference registration is 7 September—hotel rooms at the conference rate are not guaranteed after that date and the cost of registration goes up after that date as well.

A few other reminders:

- we will again auction off items to benefit the Guin Fund: please bring books, posters, paraphernalia, or anything you would like to contribute to this auction. (Proceeds from this fund are used to support participation of persons from developing countries in IAMS LIC).

- bring your favorite T-SHIRT or COFFEE MUG for our annual swap: get one for each one you contribute and be the envy of all your colleagues when you have the latest T or mug from another institution.

-Eleanor Uhlinger, Conference Organizer



## INTERNET & COMPUTER NEWS

### CD-ROM

#### GHCN GLOBAL CLIMATE CD-ROM

EarthInfo is producing a CD-ROM of monthly mean readings for temperature, precipitation, and barometric pressure derived from the Global Historical Climatology Network (GHCN) of Oak Ridge National Laboratory. The entire 1992 edition of the GHCN database will be available on one CD-ROM in summer 1994.

Temperature readings are available from 6,039 monitoring stations throughout the world and 10% of these stations have readings in excess of 100 years. Nearly 77% of all stations are missing only 10% of their data. The highest density of temperature stations occurs in North America and Central Europe although eastern Europe and central and eastern Asia have significant numbers of stations. Precipitation readings are available for 7,533 stations worldwide with 55% of stations having data in excess of 50 years and 13% have data for over 100 years. The highest density of precipitation stations occurs in North America, central Europe, sub-Saharan Africa, and eastern Australia. Sea level and stations barometric pressure readings are available for 1,873 stations worldwide. The highest density of pressure stations occurs in central Europe.

EarthInfo provides an extensive software library to extract and manipulate these data. Price is US \$1200; contact EarthInfo, 5541 Central Ave, Boulder, Colorado 80301. Phone: 303/938-1788. Fax: 303/93-8183.

#### CD-ROM ATLAS

"CD-ROM Atlas of the Deepwater Parts of the U.S. Exclusive Economic Zone in the Atlantic Ocean, Gulf of Mexico, and the Eastern Caribbean Sea" is number 15 in the US Geological Survey Digital Data Series. The Atlas contains composite GLORIA sidescan sonar mosaics, geologic interpretations of the images, bathymetric overlays, 21 seismic profiles collected in 1978 along the Atlantic continental margin, and a three-dimensional perspective of the entire eastern Atlantic seafloor. The GLORIA images were published in paper atlases as USGS Miscellaneous Investigations Series I-1864-A,B (1987) and I-2054 (1991).

This disc replaces prior CD-ROM releases of GLORIA imagery for these areas. The CD-ROM includes DOS programs to retrieve and display the data. Available for US \$32 from US Geological Survey, Map Distribution, Box 25286, Building 810, Federal Center, Denver Colorado 80225.

#### GLOBAL SEA SURFACE TEMPERATURE

The US Geological Survey released a CD-ROM entitled "Modern Average Global Sea-Surface Temperature" as Number 10 in its Digital Data Series. Monthly and weekly averages of sea-surface temperature (SST) were derived from NOAA AVHRR data collected by the TIROS-N satellites from October 1981 through December 1990. The SST data are provided in grids with cell size 0.176 degrees of latitude and longitude. ETOPO5 global gridded elevation and bathymetry data were interpolated to the same resolution and are included.

Software is provided to retrieve the yearly sea-surface temperature profile at any oceanic location and to graphically display it. Software is provided in both source and executable formats and runs on DOS, Macintosh and Unix. Available for US \$32 from US Geological Survey, Map Distribution, Box 25286, Bldg 810, Federal Center, Denver CO 80225.

### GOPHER

#### INTERNIC INFOGUIDE

InterNIC Information Services Introduces the **InfoGuide**, A New Online Information Server. The InterNIC provides information about the Internet and the resources on the Internet to the US research and education community under Cooperative Agreement No. NCR 9128749 of the National Science Foundation. InterNIC Information Services announces the availability of the InfoGuide, a new comprehensive online source of information about the Internet and online Internet resources. The InfoGuide is accessible through gopher and the World Wide Web, and replaces the older InterNIC information server, the InfoSource. The InfoGuide includes new services such as the Scout Report and an online hypertext version of the NSF Network News.

Greater in size and scope than the InfoSource, the InfoGuide offers an extensive list of pointers to online resources, Internet organizations, Internet access providers around the world, and current National Information Infrastructure information. The InfoGuide features an easy-to-use index which works just like a library card catalog. InfoGuide allows users to select indexes based on subject, title, or author, and follow hypertext links from those indexes to documents, images, sounds, video, or other gophers and World Wide Web sites. Future versions of the InfoGuide will offer enhancements to the indexing function and a section for more advanced, technically oriented users, such as system administrators and network programmers.

To access the InterNIC Information Services InfoGuide, point your World Wide Web client to:

URL = <http://www.internic.net/>

or your gopher client to:

URL = [gopher://is.internic.net/Information Services](gopher://is.internic.net/Information%20Services)

## NODC GOPHER SERVER

The National Oceanographic Data Center (NODC) has established a gopher server to provide Internet access to information about NODC ocean data holdings, products, and services. The NODC is one of the national environmental data centers operated by the National Oceanic and Atmospheric Administration (NOAA) of the U.S. Department of Commerce. The primary mission of the NODC is to maintain a growing archive of historical oceanographic data and to make its data resources easily accessible to users in the United States and around the world. The NODC's global holdings of physical, chemical, and biological oceanographic data currently total over 60 gigabytes, making it the world's largest publicly available ocean data archive. Information already installed on the NODC Gopher server includes:

- NODC telephone numbers and e-mail addresses,
- how to obtain NODC data products,
- detailed descriptions of the NODC's major oceanographic databases
- a complete list and descriptions of the NODC's CD-ROM data products, and
- reports on NODC's international oceanographic data management and data exchange activities.

The NODC Gopher server address is:

**URL = gopher://gopher.nodc.noaa.gov**

The NODC Gopher server is also available through the prototype NODC Mosaic home page at the World Wide Web address:

**URL = http://www.nodc.noaa.gov/**

The NODC Gopher and Mosaic servers are developing systems that will be expanded and enhanced over the coming months. Questions and comments about NODC's Internet services should be directed to: Parmesh Dwivedi at [pdwivedi@nodc.noaa.gov](mailto:pdwivedi@nodc.noaa.gov).

## NEW CHAETOZONE ISSUE

Steve Watkins, Science Library, UC Santa Cruz, alerts us that Volume 2 (Mar-May 1994) of Geoffrey Read's Chaetozone Newsletter on polychaetes has been added to the InfoSlug Gopher system at [gopher.ucsc.edu](http://gopher.ucsc.edu). Included in each newsletter is a useful set of selected citations to new publications on polychaetes that might be difficult to obtain elsewhere, as well as a calendar of events and conferences. Electronic subscriptions are free and subscription information is contained in the table of contents files on InfoSlug.

**URL = gopher://gopher.ucsc.edu/11/The Library/  
Electronic Journals/Alphabetical by Journal  
Title/Chaetozone - Polychaete Research News**

## AQUANIC

Aquaculture Network Information Center (AquaNIC) a cooperative project of the Libraries Purdue University of Purdue University, the Cooperative Extension Service, the United States Department Illinois-Indiana Sea of Agriculture Extension Service Grant Program.

AquaNIC is a multi-branched directory containing a wide variety of information. Most documents can either be viewed on your computer monitor, downloaded via modem, or a hard copy sent to your e-mail address. AquaNIC also contains an image directory that holds hundreds of pictures, short videos, and slides in a variety of common image formats. (A long term object is to use AquaNIC as a medium for on-line interactive media use by county Cooperative Extension Service field staff.)

One of AquaNIC's unique features is that it is linked to several other aquaculture databases on the Internet. These links are established for you when another aquaculture database is selected. AquaNIC is a flexible electronic information center that is intended to be responsive to the needs of its customers.

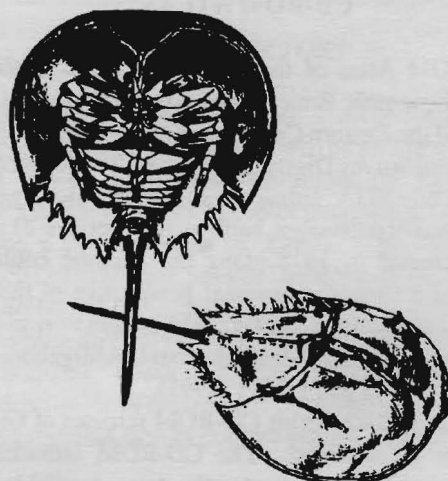
Gopher access is available at:

**URL = gopher://thorplus.lib.purdue.edu:70/  
databases/AquaNIC**

World Wide Web (MOAIC):

**URL = gopher://thorplus.lib.purdue.edu:70/11/  
databases/AquaNIC**

Telnet address is: [thorplus.lib.purdue.edu](http://thorplus.lib.purdue.edu). The login is **cwis** and there is no password. AquaNIC is located under the menu scholarly databases.





### NETWORK SERVICE PROVIDERS LATIN AMERICA AND CARIBE

Network Service Providers in Latin America and Caribe version 1.4 (1 Mar 1994) has just been released. The document is a non extensive list of Internet, E-mail, providers in Latin America and Caribe. The list is designed to help people and organizations find the providers in those regions. Each entry is confirmed by the service provider. Queries for updates are sent to each service provider every 3 months by Giovana Jave at gjave@amauta.rcp.net.pe. The document is in spanish and soon will be available in english.

Copies can be picked up on the Peru Internet Network, the Red Cientifica Peruana:

URL = gopher://gopher.rcp.net.pe:70

Or in any gopher menu in the South America menu item. If you don't have access to gopher resources send a request to Yuri Herrera at odi@rcp.net.pe.

### NORTH AMERICAN BENTHIC SOCIETY DATABASE

Paula Wolfe at the University of Wyoming reports that the North American Benthic Society has a free database on the Internet. This has been mentioned in a previous newsletter, however, additions have been made since that time. For those who do not have ASFA or BIOSIS easily available the NABS database can provide free citations that will start anyone off with enough references to begin a research paper. For example, a search on "zebra mussels" brought a list of 68 citations vs 208 for ASFA.

The NABS database has 28,500 references. There are two sections, 1959-1981 and 1985-1992. The bibliography is also available in a printed format.

Look through the University of Notre Dame gopher or via RICEINFO gopher under biology or your gopher can be directed to:

URL = gopher://gopher.nd.edu/Notre Dame Academic  
and Research Data // Aquatic Biology

### GLOBAL CHANGE DATA AND INFORMATION SYSTEM

The U.S. Global Change Data and Information System (GCDIS) is a set of individual Federal agency data and information systems interconnected by a minimal amount of infrastructure. The GCDIS makes global change data accessible to researchers, policy-makers, educators, industry, and the public. The Interagency Working Group on Data Management for Global Change coordinates GCDIS development as part of the U.S. Global Change Research

Program. Participating agencies are: Dept. of Agriculture, Dept. of Commerce, Dept. of Defense, Dept. of Energy, Dept. of Interior, Dept. of State, Environmental Protection Agency, National Aeronautics and Space Administration, and the National Science Foundation.

URL=gopher://gopher.gcdis.usgcrp.gov  
(140.90.235.169)

By using a gopher or Web client software and the auxiliary software, you can display images, listen to audio, view videos, download items and print text. Through telnet access you can e-mail the various gopher text files to yourself. It is available at:

URL=telnet://gopher.gcdis.usgcrp.gov/login=gopher

## LISTSERVERS

A number of interesting Listservs have been noted on the IAMS LIC Listserv lately. Those of special note are:

### CRUST-L

Crustacean systematics, distribution, and ecology

Subscribe to: listserv@sivm.si.edu

Message: subscribe crust-l <your name>

### CTURTLE

Sea Turtle Biology and Conservation

Subscribe to: listserv@nervm.nerdc.ufl.edu

Message: subscribe cturtle <your name>

### FISH-JUNIOR

A forum for knowledge transfer between marine scientists and children/high school students. The list was initially set up by the Swedish University Network (SUNET) on behalf of a Pilot Project to be conducted by the British Columbia Ministry of Education (Canada). The aim of this forum is to enable juniors of early age to interact with scientists and scientific issues mainly related to Fisheries ecology and related topics. Scientists, advisors, PhD students and other research personnel who would like to be involved as teachers in FISH-JUNIOR are encouraged to participate.

Subscribe to: listserv@searn.sunet.se or

listserv@searn.bitnet

Message: subscribe fish-junior <your name>

Note: It is suggested you write beside your name the subject of your expertise, for instance Dr./MSc/Senior XX YY, ZZZ" where "ZZZ" is a single key word describing the field of expertise (i.e. genetics, fisheries, physiology, etc.). This may facilitate the exchange.

Eg. subscribe fish-junior Dr. Jane Roe, Genetics

(continued on Page 8)

(Listservers continued)

#### NIA-NET

Neotropical fishes

Subscribe to: nia-net-request@archive.orst.edu

Message: sub nia-net

#### INFOTERRA

The Infoterra subscription list is a public list intended for general communications on environmental topics, posing queries to the Infoterra network, and requesting information from UNEP (United Nations Environment Programme). INFOTERRA, The Global Environmental Information Exchange Network, was established in 1975 by a decision of the third session of the Governing Council of UNEP. The main direction given to INFOTERRA was to develop a mechanism to "facilitate the exchange of environmental information within and among nations".

Subscribe to: listproc@pan.cedar.univie.ac.at

Message: subscribe infoterra "your name"

#### MAR-FACIL

Mailing list for managers and technical staff at marine research facilities, aquaculture operations, public aquaria and other facilities supplying seawater for the support

of marine life. The list is intended as a forum for the discussion of technical and business topics, however discussion

of other matters is welcome and encouraged.

Subscribe to: mailserv@ac.dal.ca

Message: subscribe MAR-FACIL

#### PACIFIC-ISLANDS-L LISTSERVER

This Forum was established by the Pacific Island Liaison Centre, RSPAS, ANU to provide a world-wide communications vehicle and a central electronic archive for anyone working on, or interested in the study and documentation of the Pacific Islands region.

Subscribe to: majordomo@coombs.anu.edu.au

Message: subscribe Pacific-Islands-L <your e-mail address>

## WWW

### US FISH & WILDLIFE WAIS SERVER

Al Fisher, National Data Administrator, U.S. Fish and Wildlife Service reports that the U.S. Fish and Wildlife Service (Service) now has an operating Wide Area Information Server (WAIS). WAIS is a mechanism for making data and information available over the Internet. Using WAIS client software, one can search for data on multiple servers by means of queries based on text and/or latitude/longitude coordinates.

The easiest way to access USFWS\_Region\_9\_Info\_Res\_Mgt\_Data\_Admin is to use WAIS client software to connect to the Directory of Servers, search for "wildlife" (without the quotes), and save the description of the server. You can also key the following address information directly into your WAIS client software.

```
:source
:version 3
:ip-name "164.159.126.3"
:tcp-port 1028
:database-name "/data/wais/spxwais/irmindex/irmserv"
:cost 0.00
:cost-unit :free
:maintainer "robin@fwssun1"
:description "Server created with WAIS release 8 b5 on
Oct 19 09:16:25 1993 by robin@fwssun1"
```

This is the first of many approaches the U.S. Fish and Wildlife Service will implement in order to share its data. He is currently working with several offices in the Service, National Biological Survey, and National Park Service to describe data sets and to establish similar servers. If you want to know more, please contact him at:

Al Fisher, National Data Administrator  
U.S. Fish and Wildlife Service  
303-236-8217  
fishera@mail.fws.gov

### NATO SACLANT WWW SERVER

SACLANT Undersea Research Centre, a NATO organization specializing in underwater acoustics, announces their new World Wide Web server on the Internet. An information package for public access has been developed which presents general background information on the Centre, its research activities and conferences. (Abstracts of contributions to the conference "Full Field Inversion Methods in Ocean and Seismic Acoustics", 27 June to 1 July 1994, Lerici, Italy, and information for conference participants are included.) This service will be available from the beginning of May and can be accessed at:

URL <http://www.saclantc.nato.int/>

**Next IAMS LIC Newsletter  
Deadline  
Friday, September 9, 1994**



## THE DAILY PLANET

The Atmospheric Sciences Department at the University of Illinois at Urbana-Champaign is pleased to announce the official opening of its new WWW server, The Daily Planet. The Daily Planet (TDP) is planned to be a full-scale Environmental Information Server. It is a logical extension to the work we originally started with the Uofi Weather Machine. With the powerful and flexible functionality provided by HTML and the NCSA Mosaic interface, we hope to offer new and useful capabilities to the Atmospheric Sciences community.

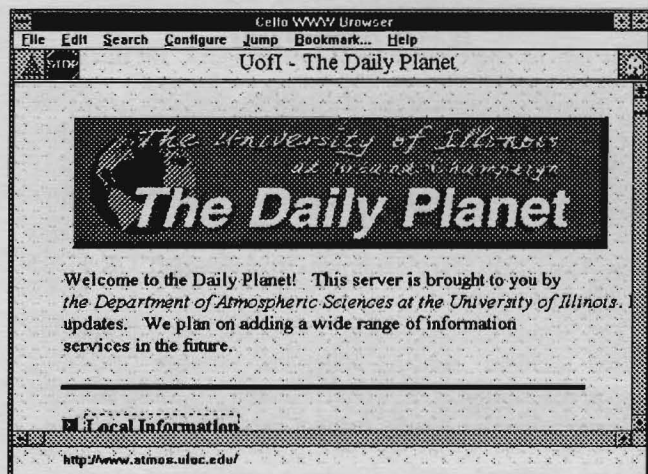
Currently it features current weather information (see Weather World below), a collection of lists of other weather servers and sources of weather data, atmospheric sciences community info, local information about our department, plus a look at some online hypermedia instructional modules for atmospheric sciences under development.

Weather World, accessible from The Daily Planet menus, is our WWW version of the popular Uofi Weather Machine. We're just getting started, but we've already got over 170 current images, 600 archived images and 60 MPEG animations...many updated hourly (twice daily for some products) that include current satellite imagery, surface maps, upper air maps and plots, and forecast maps with the text products currently found in the Weather Machine gopher server available soon also. To get to Weather World, start with The Daily Planet, take a right at "Weather Data" and then pick "Weather World."

To access The Daily Planet feed the following URL to your favorite WWW client:

**URL = <http://www.atmos.uiuc.edu/>**

Please direct all inquiries to:  
[web-masters@www.atmos.uiuc.edu](mailto:web-masters@www.atmos.uiuc.edu)



Home Page for The Daily Planet from the Atmospheric Sciences Department at the University of Illinois at Urbana-Champaign.

## SOURCES OF METEOROLOGICAL DATA FAQ

A FAQ (Frequently Asked Questions) guide to Internet sources of meteorological, oceanographic, and geophysical data is available. Some of the data sets are intended for enjoyment or hobbyist use; other data are more research-oriented. Much of the research data is not free and is not directly available over the network; usually, only information about this data is available, and you must place an order for the actual data.

A current copy can be obtained by anonymous FTP to **rtfm.mit.edu**, from the file `weather/data/part1` in the directory `/pub/usenet/news.answers`. These files are updated every two weeks when a new copy is posted to `sci.geo.meteorology`, `news.answers`, and `sci.answers`. This document also appears on the mailing lists `CLIMLIST` and `met-stud`, which are described in the FAQ, "Mailing Lists for Meteorology".

If you can't use FTP, send email to **mail-server@rtfm.mit.edu** with send `pub/usenet/news.answers/weather/data/part1` as the only text in the message (leave the subject blank). Other sources for this document:

**<ftp://vmd.cso.uiuc.edu/wx/sources.doc>**

**<http://www.cis.ohio-state.edu/hypertext/faq/usenet/weather/top.html>** (in somewhat hypertext form!)

## HOTLINE CLIMATE NEWSLETTER

HOTLINE is the occasional newsletter of the US Climate Action Network. The Climate Action Network is the focal point for national and international global warming information and advocacy by American environmental organizations. The Network acts as a clearinghouse for environmental activists on climate change issues, and helps coordinate the advocacy efforts of national environmental organizations. The US Network is part of the international Climate Action Network, a loose affiliation of over 100 Non-Governmental Organizations around the world.

To receive the newsletter via email, please send a request to Lelani Arris ([larris@igc.apc.org](mailto:larris@igc.apc.org)). The newsletter is also available via anonymous ftp from **igc.apc.org** (192.82.108.1), subdirectory `pub/ECIX`, file name **hotline0594**.

APC users can find the newsletter in the conference **<climate.news>**, and the publication is also accessible via the University of Virginia's EcoGopher, Education Section, under the menu heading "Canadian Climate Change News" (a misleading title).

For more information about activities from the global to the local level, please contact: The US Climate Action Network, 1350 New York Avenue, NW, Suite 300, Washington, DC, 20005; Fax-202 783 5917; Email (internet)-[uscan@igc.org](mailto:uscan@igc.org)

(WWW continued on Page 10)

## WWW SERVERS

Peter Brueggeman has provided the IAMSLIC Listserv with several WWW servers of interest. Point your World Wide Web browser software at the following:

Aquanaut, a WWW server for scuba-related info, is available  
<http://www.opal.com/aquanaut>

CYAMUS regional group of IAMSLIC  
<http://scilibx.ucsc.edu/iamslic/cyamus.html>

Deutsches Klimarechenzentrum  
<http://www.dkrz.de/>

Deutsche Meteorologische Gesellschaft  
<http://www.met.fu-berlin.de/deutsch/DMG/>

Earth Observing System Project  
[http://spso2.gsfc.nasa.gov/spso\\_homepage.html](http://spso2.gsfc.nasa.gov/spso_homepage.html)

FINS: Fish Information Service [information about keeping aquariums, both marine and freshwater]  
<http://www.actwin.com/fish/index.html>

Florida Inst of Technology weather resources  
<http://sci-ed.fit.edu/wx.html>

Freien Universitat Berlin Institut fuer Meteorologie  
<http://www.met.fu-berlin.de/english/>

Incorporated Research Institutions for Seismology IRIS  
<http://www.iris.washington.edu/>

James Rennell Centre for Ocean Circulation  
<http://sowwww.nso.ac.uk/>

JPL Physical Oceanography Distributed Active Archive Center  
<http://seazar.jpl.nasa.gov/>

Lamont-Doherty Earth Observatory, Columbia University  
<http://www.ldeo.columbia.edu/>

McGill University Department of Earth & Planetary Sciences  
<http://stoner.eps.mcgill.ca/>

MIT Earth Resources Laboratory  
<http://www-erl.mit.edu/>

NASA Goddard Space Flight Center Physical Oceanography Group  
[http://oraac.gsfc.nasa.gov/~rienecke/phys\\_o\\_home\\_page.html](http://oraac.gsfc.nasa.gov/~rienecke/phys_o_home_page.html)

NMFS  
<http://kingfish.ssp.nmfs.gov/home-page.html>

NOAA  
<http://www.noaa.gov/>

NOAA Environmental Info Services  
<http://www.esdim.noaa.gov/>

NOAA Climate Diagnostics Center  
[http://noaacdc.colorado.edu/cdc/cdc\\_home.html](http://noaacdc.colorado.edu/cdc/cdc_home.html)

OCEANIC, Ocean Information Center incl WOCE and COARE  
<http://diu.cms.udel.edu/>

Oceanography Society's Distributed Ocean Data System project  
<http://lake.mit.edu/dods.html>

Old Dominion University Center for Coastal Physical Oceanography  
<http://www.ccpo.odu.edu/>

Rosenstiel School of Marine and Atmospheric Sciences  
<http://www.rsmas.miami.edu/>

Scripps Institution of Oceanography  
<http://sio.ucsd.edu/>

Scripps Institution of Oceanography Library  
<http://orpheus.ucsd.edu/sio/>

SeaWIFS Project  
<http://seawifs.gsfc.nasa.gov/SEAWIFS.html>

TOGA COARE International Project  
<http://www.coare.ucar.edu/>

Unidata Integrated Earth Information Server  
<http://atm.geo.nsf.gov/index.html>

Unidata Program  
<http://www.unidata.ucar.edu/>

University of East Anglia Norwich School of Mathematics with Oceanography, Meteorology, and Climate focus  
<http://www.mth.uea.ac.uk/climateinfo.html>

University of Hawaii School of Ocean & Earth Science & Technology  
<http://www.soest.hawaii.edu/>

USGS Global Change and Climate History Program  
<http://geochange.er.usgs.gov/gch.html>

US National Climatic Data Center  
<http://www.ncdc.noaa.gov/ncdc.html>

US National Oceanographic Data Center  
<http://www.nodc.noaa.gov/>

US National Geophysical Data Center  
<http://web.ngdc.noaa.gov>

Woods Hole community  
<http://bramble.er.usgs.gov/intro/woodshole/whwebserver.html>

## PUBLICATIONS & REVIEWS

### WAML DIRECTORY

The new directory of the *Western Association of Marine Labs (U.S.)* is hot off the presses. It will be sent to all WAML members as well as selected institutions (ie. Sea Grant). There are a limited number of copies available for \$4.50. To order, send a check payable to "HMSC" to: Pam Rogers HMSC/OSU 2030 Marine Science Drive Newport, OR 97365 fax: 503-867-0138.

The 59 page directory covers 29 marine labs. Information covered includes: mission statement location (including physical description of environs) research programs facilities academic programs faculty contact person maps & photos



### INTERNATIONAL DIRECTORY OF AQUARIST ORGANIZATIONS

The first edition of the International Directory of Aquarist Organizations was recently released in April '94 and can be ordered from the Aquatic Conservation Network. The Directory is compiled by Rob Huntley and Jare Sausaman. The ACN publishes this Directory to improve communications among amateur and professional aquarists throughout the world. Regular updating of the Directory provides an ongoing linkage with the international hobby community, vital to promoting public awareness and facilitating amateur involvement in aquatic conservation. Proceeds from sales of the Directory go towards the conservation work of the ACN. The content of this publication is largely derived from contributions by aquarists worldwide. Their participation in this project is gratefully acknowledged and major contributors are named in the publication itself. Information has been compiled from a number of mailing lists and various other sources. The ACN distributed a "update" survey (in four languages, English, French, German and Spanish) to all organizations known in the fall of 1993.

This first edition includes 960 aquarium club organizations in 32 countries. It has 177 pages, spiral bound. To facilitate using this reference book, separate listings are provided by country, category (killies, cichlids, rainbowfishes, etc.), name of newsletter, by abbreviation (eg. OVAS = Ottawa Valley Aquarium Society), by organizations with conservation programs, and by alphabetical order.

The alphabetical listing contains club addresses, telephone numbers and other information on the key officers of the club as reported to the ACN.

Development of this project was greatly facilitated by the financial support of Rolf C. Hagen, Inc. (Major Sponsor), Aquarium Systems, Inc., and Red Sea Fish pHarm Ltd. The Directory is available in "hard copy" only. Order from: Aquatic Conservation Network 540 Roosevelt Avenue Ottawa, Ontario, Canada K2A 1Z8

Price is \$20 (only \$15 to members of the Aquatic Conservation Network) plus postage and handling (\$2 in Canada, \$4 for U.S. orders, and \$8 for international orders). Ontario residents please add 8% PST to the total. Payment in Canadian or U.S. currency. Pay by international money order or a cheque written on a Canadian or U.S. bank. Bulk rates are available (6 or more copies) - please ask.

Membership in the ACN is \$25 per year and includes subscription to the quarterly publication *Aquatic Survival*.

### MOSAIC REVIEW

"Navigating the Network with NCSA Mosaic" was written by Frank M Baker in *EDUCOM Review* 46-51, Jan/Feb 1994. Baker explains about the World Wide Web and the Mosaic client software one can use to access the Web.

### NEW REPORT ON OCEANOGRAPHIC DATA ARCHAEOLOGY AND RESCUE PROJECT

A 73-page report on initial results of the Global Oceanographic Data Archaeology and Rescue (GODAR) project has been issued by the National Oceanographic Data Center. Titled "Results of the NODC and IOC Oceanographic Data Archaeology and Rescue Projects: Report 1," this publication provides station location plots and tables of counts of observations by year for the 1.2 million ocean temperature profiles received by the U.S. NODC and its collocated World Data Center A for Oceanography over the past two years.

These previously unavailable data were received from Australia, China, France, Iceland, India, Japan, Russia, South Korea, the United States, and the International Council for the Exploration of the Sea. The GODAR project was launched to increase the volume and geographic coverage of historical oceanographic data in the NODC/WDC digital archives and to make these data available to researchers. Copies of this report (Key to Oceanographic Records Documentation No. 19) are available free while supplies last. Contact: National Oceanographic Data Center User Services Branch NOAA/NESDIS E/OC21 1825 Connecticut Avenue, NW Washington, DC 20235 Telephone: 202-606-4549 Fax: 202-606-4586 Omnet: NODC.WDCA Internet: [services@nodc.noaa.gov](mailto:services@nodc.noaa.gov).

### EARTH SCIENCE CD-ROMS

Be sure and check an article authored by Peter Brueggeman in the March 1994 issue of *CD-ROM Professional*, pages 45-53. The article entitled "Earth Science CD-ROMS: A Collection Buyer's Guide," is an excellent review of non-bibliographic cds, their content, hardware requirements, printing concerns, and more.

### ENVIRONMENTAL BULLETIN BOARDS

The June issue of *Online Access* (Vol. 9, no. 4) includes a listing of more than 65 entries in an article, "Environmental Bulletin Boards," written by Bob Chapman of the EarthArt BBS (803/552-4389). The entries were taken from the GreenNet.

### CETACEAN BIBLIOGRAPHY

Copies of *Cetacean Reintroductions: An Annotated Bibliography* is available from The Center for Whale Research, P.O. Box 1577, Friday Harbor, WA 98250 USA.

### **PUBLISHED DIRECTORIES OF MARINE SCIENCE LABS**

*International Directory of Marine Science Libraries and Information Centers*; compiled by Carolyn P. Winn; Woods Hole Oceanographic Institution Sea Grant Program and IAMS LIC, c1987; ISBN 0-932939-03-1; \$15 from Office of the Research Librarian, WHOI, Woods Hole, MA, 02543.

*International Directory of Marine Science Libraries and Information Centers Supplement*; compiled by Alora Paul & edited by Carolyn P. Winn, Woods Hole Oceanographic Institution Sea Grant Program and IAMS LIC, c1992; ISBN 0-932939-11-X; \$7 from Office of the Research Librarian, WHOI, Woods Hole, MA, 02543.

*European Association of Aquatic Sciences Libraries and Information Centers (EURASLIC) Directory of European Aquatic Sciences Libraries and Information Centers*; edited by David S. Moulder and Nicole Momzikoff; Paris : Institut oceanographique, 1991; 120 FF, \$ 30 US from Institut Oceanographique, Bibliotheque, 195 rue Saint-Jacques, 75005 Paris, France.

*Marine, oceanographic, coastal & estuarine laboratories institutes, centers & research stations/facilities in & near the United States*; compiled by Marie Polk. University of New Hampshire Sea Grant College Program, 1989; UNHMP-RF-SG-89-12; \$5 from University of New Hampshire Sea Grant College Program, Kingman Farm, Durham NH 03824.

*Western Association of Marine Laboratories (US)*, February 1994; \$4.50 from Hatfield Marine Science Center, 2030 S Marine Science Center Drive, Newport OR 97365.

### **BIOASSESSMENT OF WATER RESOURCES BIBLIOGRAPHY**

The Water Quality Information Center at the National Agricultural Library (an agency of the U.S. Department of Agriculture) has available a bibliography containing 133 citations from the AGRICOLA database and is available without charge.

To order a copy of "Bioassessment of Water Resources," send an e-mail request to [wqic@nalusda.gov](mailto:wqic@nalusda.gov)

### **ONLINE RESOURCES REVIEW**

Gary Robbins (Science Writer for the Orange County Register in Santa Ana, CA) provides a brief introduction to online environmental resources in his article, "Earth, Wind & Science: Online Resources for Professional and Amateur Earth Sciences," which appears in the May 1994 issue of *Online Access* (Vol. 9, no. 3, pp. 47-49).

## **NOTICES & NEWS**

### **ANNOUNCEMENT OF VACANCY MOSS LANDING MARINE LABORATORIES SENIOR ASSISTANT LIBRARIAN Tenure-track \$39960-\$45216**

Moss Landing Marine Laboratories (MLML) are operated by a consortium of six California State University campuses (Fresno, Hayward, Sacramento, San Francisco, San Jose, and Stanislaus). The Laboratories are centrally located on Monterey Bay between Santa Cruz and the Monterey Peninsula, and collaborate with numerous other marine science institutions in close proximity. MLML is an upper-division undergraduate and graduate education and research facility with 8 tenure-track faculty, 20 professional and support staff, and a student enrollment of approximately 120 (80% of whom are graduate students). Currently MLML is housed in temporary facilities in Salinas.

The Library collection consists of approximately 14,000 monographs and bound journals, 550 journals with 92 current subscriptions, reprints, theses, maps, charts of coastal California, and technical reports. The emphasis is on the marine sciences including ichthyology, phycology, invertebrate and vertebrate biology, physical-chemical-biological oceanography, and geology. Materials are provided both for classes and to cover the research needs of the Labs. San Jose State University serves as the administrative campus and handles the library's cataloging and payment of invoices. Responsibilities: all library services including administration, reference services, online searching, collection development, student instruction, budget matters and supervision of the work of two part-time staff. Effective and close involvement with students, faculty, research staff, the community and other libraries is maintained.

Qualifications: MLS from an ALA-accredited library school together with an undergraduate degree in science (or demonstrated equivalent) and experience in a science library. Administrative and grantsmanship experience desirable. Consideration of applications will begin July 15. Submit a letter of application, resume and references to Moss Landing Marine Laboratories, P.O. Box 450, Moss Landing, CA 95039.

SJSU does not discriminate on the basis of race, color, religion, national origin, sex, sexual orientation, marital status, pregnancy, age, disability, disabled veteran's or Vietnam Era veteran's status. This policy applies to all SJSU student, faculty, and staff programs and activities. Questions regarding this policy should be directed to SJSU's Office of Equal Employment Opportunity/Affirmative Action, One Washington Square, San Jose, CA 95192-0003, (408)924-1115.



**ERIC MARSHALL HONORED**

On March 30th of this year, some 100 persons, from the Institute staff and from the local library community, met in the Freshwater Institute library in Winnipeg to witness the naming of the library as The Eric Marshall Aquatic Research Library.

Dr. Burton Ayles, Acting Regional Director General, opened the ceremonies by outlining Eric's career and achievements. Eric then cut the ribbon across the door and unveiled a commemorative plaque in the entrance way. He was then heard to tell the group "usually the person after whom a library was named was either very wealthy and had donated vast sums of money to the library or else they were dead. I'm certainly not wealthy and I've checked the local newspapers over the past few days and haven't found my obituary yet!"

A cake in the shape of a book, carrying greetings in both English and French in accordance with Canadian Federal bilingual policies, was ceremonially cut by Eric and assisted by his wife Dorothy.

Eric is currently working part-time as a consultant. Recently he spent a week in Fort Collins with Stephanie Haas (University of Florida, Marston Science Library) and others reviewing the operations of the group within the National Biological Survey which is responsible for the production of *Wildlife Review* and *Fisheries Review*.

**CAROL WINN RETIRING!!**

We are having a retirement party here in Woods Hole, Massachusetts on Wednesday, June 29, 1994, 4:00PM to celebrate.

We realize many of you will be seeing Carol in Hawaii to celebrate IAMSLIC's 20th Anniversary - but if you find yourself in the neighborhood, please stop by! Barring that, we welcome and encourage your letters, cards, telegrams, and yes, even e-mail if you'd like to send along your best wishes, stories, reflections, kind words etc. etc. We will share them with Carol and her many adoring friends and co-workers at the party next month.

For those of you who are truly in the neighborhood (friends at URI, etc.), we will be in touch with you directly in the very near future.

Please send replies to: Alora Paul, Research Library, Woods Hole Oceanographic Institution, Clark 131C, Woods Hole, MA, USA, 02543-1098. E-mail is: [apaul@whoi.edu](mailto:apaul@whoi.edu). If you need any more details, or do plan on attending the party, please call me at: 508/457-2000, ext. 2865. I'd like to have replies by Monday, June 13th at the latest.

Thanks! I know Carol will really enjoy hearing from you all.

-Alora Paul

**WHALE REMOVAL TECHNIQUES**

You may have seen the following on the IAMSLIC Listserv. If not you may enjoy the humor?:

"The Farside comes to life in Oregon. I am absolutely not making this incident up; in fact I have it all on videotape. The tape is from a local TV news show in Oregon, which sent a reporter out to cover the removal of a 45-foot, eight-ton dead whale that washed up on the beach. The responsibility for getting rid of the carcass was placed on the Oregon State Highway Division, apparently on the theory that highways and whales are very similar in the sense of being large objects. So anyway, the highway engineers hit upon the plan—remember, I am not making this up—of blowing up the whale with dynamite. The thinking is that the whale would be blown into small pieces, which would be eaten by seagulls, and that would be that. A textbook whale removal.

So they moved the spectators back up the beach, put a half-ton of dynamite next to the whale and set it off. I am probably not guilty of understatement when I say that what follows, on the videotape, is the most wonderful event in the history of the universe. First you see the whale carcass disappear in a huge blast of smoke and flame. Then you hear the happy spectators shouting "Yayy!" and "Whee!" Then, suddenly, the crowd's tone changes. You hear a new sound like "splud." You hear a woman's voice shouting "Here come pieces of...MY GOD!" Something smears the camera lens. Later, the reporter explains: "The humor of the entire situation suddenly gave way to a run for survival as huge chunks of whale blubber fell everywhere." One piece caved in the roof of a car parked more than a quarter of a mile away. Remaining on the beach were several rotting whale sectors the size of condominium units. There was no sign of the seagulls who had no doubt permanently relocated to Brazil.

This is a very sobering videotape. Here at the institute we watch it often, especially at parties. But this is no time for gaiety. This is a time to get hold of the folks at the Oregon State Highway Division and ask them, when they get done cleaning up the beaches, to give us an estimate on the US Capitol."

-Tom Mahoney, #9, Coast Guard Sqn.1/Div.13

**NEW EMAIL FOR SCRIPPS LIBRARY ILL**

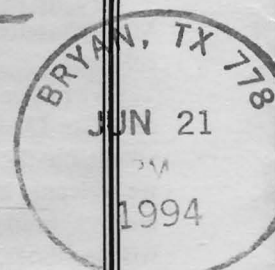
Peter Brueggeman reports that the Interlibrary Loan Service of Scripps Institution of Oceanography Library has a new email address: [sioill@gort.ucsd.edu](mailto:sioill@gort.ucsd.edu)



c/o Richard Eissinger  
Texas A&M University  
Sterling C. Evans Library  
College Station, Texas  
77843-5000 U.S.A.



FIRST CLASS MAIL  
JUN 21  
PM  
1994



William Dunkle  
Woods Hole Oceanographic Institution  
Quissett Campus, McLean Building  
Woods Hole, MA 02543  
U.S.A.